



DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

5806

[49 CFR Parts 172, 173]

[Docket No. HM-82; Notice No. 71-9]

TRANSPORTATION OF HAZARDOUS
MATERIALS

Difluoromonochloroethane in Tank
Trucks and Tank Cars

The Hazardous Materials Regulations Board is considering amending §§ 172.5, 173.314, and 173.315 to provide for the transportation of difluoromonochloroethane, a flammable compressed gas, in specifications MC 330 and MC 331 cargo tanks, and 105A300W tank car tanks.

This proposal is based on a current special permit, originally issued over 5 years ago, that has provided for the subject transportation. During this time, the experience has been satisfactory. Although the permit requires cargo tanks having a minimum design pressure of 250 p.s.i.g., the Board has no objection to cargo tanks of 100 p.s.i.g. minimum design. The vapor pressure of the commodity is reported as 75 p.s.i.g. at 115° F. Records indicate the 250 p.s.i.g. was a result of the petitioner's request. The Board notes that a 250 p.s.i.g. design pressure cargo tank is a common type tank in many transportation fleets because of its versatility.

In consideration of the foregoing, 49 CFR Parts 172 and 173 would be amended as follows:

(A) In § 172.5, paragraph (a), commodity list, would be amended as follows:

§ 172.5 List of hazardous materials.

(a) * * *

I. Part 172:

Article	Classed as—	Exemptions and packing (see sec.)	Label required if not exempt	Maximum quantity in 1 outside container by rail express
(Change)				
***	***	***	***	***
Difluoromonochloroethane.....	F. G.	173.306, 173.304, 173.314, 173.315.	Red Gas.....	300 pounds.
***	***	***	***	***

§ 173.314 Requirements for compressed
gases in tank cars.

II. Part 173:
(A) In § 173.314, paragraph (c) table would be amended as follows:

(c) * * *

Kind of gas	Maximum permitted filling density, Note 1	Required tank car, see § 173.31(a) (2) and (3)
(Change)		
***	Percent	***
Difluoromonochloroethane Note 13.....	100.....	DOT-106A500X, 110A500W, Note 7. DOT-105A300W, Note 4.
***	***	***

(B) In § 173.315, subparagraphs (a) (1) table, (h) (2) table, and (i) (2) table would be amended as follows:

§ 173.315 Compressed gases in cargo tanks and portable tank containers.
(a) * * *
(1) * * *

Kind of gas	Maximum permitted filling density		Specification container required	
	Percent by weight (see Note 1)	Percent by volume (see par. (f) of this section)	Type (see Note 2)	Minimum design pressure (p.s.i.g.)
(Add) Difluoromono-chloroethane (see Note 9).	100	Note 7	MC 330, MC 331	100.

(h) * * *				
(2) * * *				
	Kind of gas (Add)	Permitted gaging device		
	Difluoromonochloroethane-----	None		
(i) * * *				
(2) * * *				
pressure (p.s.i.g.)				

	Kind of gas (Add)	Minimum start-to- discharge
	Difluoromonochloroethane-----	100.

Interested persons are invited to give their views on this proposal. Communications should identify the docket number and be submitted in duplicate to the Secretary, Hazardous Materials Regulations Board, Department of Transportation, 400 Sixth Street SW., Washington, DC 20590. Communications received on or before May 11, 1971, will be considered before final action is taken on the pro-

posal. All comments received will be available for examination by interested persons at the Office of the Secretary, Hazardous Materials Regulations Board, both before and after the closing date for comments.

This proposal is made under the authority of sections 831-835 of title 18, United States Code, and section 9 of the Department of Transportation Act (49 U.S.C. 1657).

Issued in Washington, D.C., on March 19, 1971.

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direction of the Commandant,
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CARL V. LYON,
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rier Safety, Federal Highway
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